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Attorney's Docket No. Application No. Substitute Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office (Modified) 10/718,986 21865-002001/6502 Applicant List of Patents and Publications for Applicant's **Information Disclosure Statement** Filing Date Group Art Unit November 21, 2003 1652 (37 CFR §1.98(b)) **U.S. Patent Documents** Examiner Filing Date Desig. Document **Publication** Class **Subclass** If Appropriate Initial ID Number Date Patentee 2002/0025320 02/28/02 Boyaka et al. 424 184.1 06/25/01 AΑ 435 206 09/10/04 AB 2005/0112751 05/26/05 Fang et al. 07/02/96 Lezdey et al. 514 8 10/03/94 AC5,532,215 424 10/20/97 6,251,392 06/26/01 Hein et al. 134.1 AD 08/27/02 Hein et al. 424 178.1 10/20/98 AE 6,440,419

	Foreign Patent Documents or Published Foreign Patent Applications							
Examiner	Desig.	Document	Publication	Country or				lation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	AF	WO 04/047735	06/10/04	WIPO				
	AG	WO 06/031291	03/23/06	WIPO				

	Other D	ocuments (include Author, Title, Date, and Place of Publication)		
Examiner Desig. Initial ID		Document		
	AH	Ahmed K., et al., "Attachment of moraxella catarrhalis to pharyngeal epithelial cells is mediated by a glycosphingolipid receptor," FEMS Microbiology Letters, 135:305-309, (1996).		
	AI	Alvarez, P. et al., "Improving protein pharmacokinetics by genetic fusion to simple amino acid sequences," Journal of Biological Chemistry, 279:3375-3381, (2004).		
	AJ	Andersson, B., et al., "Inhibition of attachment of streptococcus pneumoniae and haemophilus influenzae by human milk and receptor oligosaccharides," Journal of Infectious Diseases, 153:232-237, (1986).		
	AK	Andrews, J., et al., "Community-acquired pneumonia," Current Opinion in Pulmonary Medicine, 9:175-180, (2003).		
	AL	Angata, T., et al., "1-type lectins," Biochimica et Biophysica Acta, 1572:294-316, (2002).		
	AM	Baker, N., et al., "Glycosphingolipid receptors for pseudomonas aeruginosa," Infection and Immunity, 58:2361-2366, (1990).		
	AN	Ball, P., "Epidemiology and treatment of chronic bronchitis and its exacerbations," Chest, 108: 43S-52S, (1995).		
	AO	Bals, R., et al., "Transduction of well-differentiated airway epithelium by recombinant adeno- associated virus is limited by vector entry," Journal of Virology, 73:6085-6088, (1999).		
	AP	Barthelson, R., et al., "Adherence of streptococcus pneumoniae to respiratory epithelial cells is inhibited by sialylated oligosaccharides," Infection and Immunity, 66:1439-1444, (1998).		
	AQ	Bartlett, J., et al. "Community-acquired pneumonia in adults: guidelines for management," The Infectious Diseases Society of America clinical infectious diseases," 26:811-838, (1998).		
	AR	Belshe, R. et al., "Genetic basis of resistance to rimantadine emerging during treatment of influenza virus infection," Journal of Virology, 62:1508-1512, (1988).		

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute Forr (Modified)	m PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 21865-002001/6502	Application No. 10/718,986	
List of Patents and Publications for Applicant's Information Disclosure Statement			Applicant		
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(37 CFR §1.98	B(b))		November 21, 2003	1652	
		ocuments (include Author,	Title, Date, and Place	of Publication)	
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	AS	Belser et al., "DAS181, A novel sialidase fusion protein, protects mice from lethal avian influenza H5N1 virus infection" JID 196:1493-1499 (2007).			
	АТ	Beswick, E., et al., "Comparative studies of glycosaminoglycan involvement in Chlamydia pneumoniae and C trachomatis invasion of host cells," Journal of Infectious Diseases, 187:1291-1300, (2003).			
	AU	alpha mRNA in rat mast cells: eviden Neuroimmunology, 75, 9-18, (1997).	Cocchiara, R., et al., "Inhibitory effect of neuraminidase on SP-induced histamine release and TNF-alpha mRNA in rat mast cells: evidence of a receptor-independent mechanism," Journal of		
	AV	Crennell, S.J., et al., Garman, "Crysta	Crennell, S.J., et al., Garman, "Crystal structure of Vibrio Cholerae neuraminidase reveals dual lectin-like domains in addition to the catalytic domain," Structure, 2:535-544, (1994).		
	AW	Crocker, P. and A. Varki, "Siglecs, sialic acids and innate immunity," Trends in Immunology, 22, 337-342, (2001).			
	AX	Cundell, D. and E. Tuomanen, "Receptor specificity of adherence of streptococcus pneumoniae to human type-II pneumocytes and vascular endothelial cells in vitro," Microbial Pathogenesis, 17:361-374, (1994).			
	AY	Cundell D R, Weiser J N, Shen J, Young A, & Tuomanen E I (1995) Relationship between colonial morphology and adherence of Streptococcus pneumoniae Infection and Immunity 63, 757-761, (1995).			
	AZ	Faden, H., "The microbiologic and immunologic basis for recurrent otitis media in children," European Journal of Pediatrics, 160:407-413, (2001).			
	BA	Fakih, N., et al., "Specific binding of haemophilus influenzae to minor gangliosides of human respiratory epithelial cells," Infection and Immunity, 65:1695-1700, (1997).			
	ВВ	File, T., "The epidemiology of respiratory tract infections," Seminars in Respiratory Infections, 15:184-194, (2000).			
	ВС	Flotte, T. and B. Carter, "Adeno-asso Methods in Enzymology, 292, 717-73	32, (1998).		
	BD	Flotte, T., et al., "Stable in vivo expre regulator with an adeno-associated vi of the United States of America, 90, 1	rus vector," Proceedings of the 10613-10617, (1993).	National Academy of Sciences	
	BE	Garcia-Rodriguez, J., et al., "Dynami pathogens," Journal of Antimicrobial	cs of nasopharyngeal colonizat Chemotherapy, 50[Suppl S2]::	59-73, (2002).	
	BF	Gaskell et al., "The three domains of a bacterial sialidase: a beta-propeller, an immunoglobulin module and a galactose-binding jelly-roll," Structure 3:1197-1205, (1995).			
	BG	Genbank Accession Number A49227 (2 pgs.) (accessed on 09.19.2007).			
	ВН	GenBank Accession Number AAH09	9799 (3 pgs.) (accessed on 09.1	9.2007).	
	BI	Genbank CoreNucleotide Accession	Number D01045 (4 pgs.) (acce	ssed on 02.01.2007).	
	BJ	Genbank Accession Number L06898	(4 pgs.) (accessed on 09.19.20	007).	
	вк	Genbank CoreNucleotide Accession	Number NM080741(4 pgs.) (ad	ccessed on 04.20.2007).	
	BL	Genbank CoreNucleotide Accession	Number X62276 (4 pgs.) (acce	ssed on 02.01.2007).	

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	BM	Genbank CoreNucleotide Accession	Number X87369 (6 pgs.) (access	sed on 02.01.2007).	
	BN	Genbank CoreNucleotide Accession	Number Y16535 (4 pgs.) (access	sed on 02.01.2007).	
	во	Halbert, C., et al., "Efficient mouse ai vectors carrying parts of a larger gene			
		Halbert, C., et al., "Successful readmi	nistration of adeno-associated v	irus vectors to the mouse lung	
	BP	requires transient immunosuppression 9805, (1998).			
	BQ Hazlett, L., et al., "In vivo identification of sialic acid as the ocular receptor for Pseudomonas aeruginosa," Infection and Immunity, 51:687-689, (1986).			ceptor for Pseudomonas	
		Hirel, P., et al., Extent of N-terminal	methionine excision from Esche	richia coli proteins is governed	
	BR	by the side-chain length of the penulti Sciences of the United States of Amer	rica, 86:8247-8251		
	BS	Hirmo, S., et al., "Adhesion of Helicobacter pylori strains to alpha-2,3-linked sialic acids," Glycoconjugate Journal, 13:1005-1011, (1996).			
		Jarreau P H, Harf A, Levame M, Lambre C R, Lorino H, & Macquin-Mavier I (1992) Effects of			
	BT neuraminidase on airway reactivity in the guinea pig American Review of Respiratory Disease 145:906-910, (1992).				
	BU	Kai, H., et al., "The influence of neuraminidase treatment on tracheal smooth muscle contraction," European Journal of Pharmacology, 220:181-185, (1992).			
	BV	Karlsson, K., "Meaning and therapeutic potential of microbial recognition of host glycoconjugates," Molecular Microbiology, 29:1-11, (1998).			
	BW	Karp, P., et al., "An in vitro model of primary cultures," Methods in Molecu	differentiated human airway epi	thelia methods for establishing 2).	
	DV	Kawakami, K., "Attachment of nonty	pable Haemophilus influenzae to	o human pharyngeal epithelial	
	BX	cells mediated by a ganglioside recep	tor," Microbiology and Immuno	logy, 42, 697-702, (1998).	
		Kido H, et al., "Cellular proteinases a	nd viral infection: influenza viru	is, sendai virus and HIV-1,"	
	BY	p.205-217. In B. Dunn (ed.), Protease (1999).			
	BZ	Le Calvez, H., et al., "Biochemical pr medicine for infectious diseases," Vir	ology Journal, 1:12, (2004).		
	CA	Lyczak, J., "Lung infections associated with cystic fibrosis," Clinical Microbiology Reviews, 15:194-222, (2002).			
	СВ	Macfarlane, J., "An overview of com British Thoracic Society Study," Sem	munity acquired pneumonia with	h lessons learned from the 9:153-165, (1994).	
	66	Malakhov, M.P., et al., "Sialidase fus	ion protein as a novel broad-spe	ctrum inhibitor of influenza	
	CC	virus infection," Antimicrobial Agent	ts and Chemotherapy, 50(4):147	0-1479, (2006).	
. _	CD	Martinez, I. and J. Melero, "Binding sulfated cell surface proteoglycans,"	Journal of General Virology, 81:	2715-2722, (2000).	
	CE	Matsushima, T., et al., "Etiology and Current Opinion in Infectious Disease		uired pneumonia in Asia,"	

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	CF	Mbaki, N., et al., "Correlation betwee and seasonal incidence of lower respir Medicine, 153:111-121, (1987).	ratory tract infections," Tohoku	Journal of Experimental	
	CG	Mendel, D., et al., "Oral administration of a prodrug of the influenza virus neuraminidase inhibitor GS 4071 protects mice and ferrets against influenza infection," Antimicrobial Agents and Chemotherapy, 42:640-646, (1998).			
	СН	Miller-Podraza, H., et al., "Recognition of glycoconjugates by Helicobacter pylori Comparison of two sialic acid-dependent specificities based on haemagglutination and binding to human erythrocyte glycoconjugates," Glycoconjugate Journal, 4:467-471, (1997).			
	CI	NCBI Core Nucleotide D01045, (accessed on 02.01.07).			
	CJ	NCBI Core Nucleotide NM080741, (accessed on 4.19.07).			
	CK	NCBI Core Nucleotide X62276, (accessed on 02.01.07).			
	CL	NCBI Core Nucleotide X87369, (accessed on 02.01.07).			
	СМ	Park, P., et al., "Exploitation of syndecan-1 shedding by Pseudomonas aeruginosa enhances virulence," Nature, 411:98-102, (2001).			
	CN	Potier, M., "Fluorometric assay of neu	Potier, M., "Fluorometric assay of neuraminidase with a sodium (4-methylumbelliferyl-alpha-D-N-acetylneuraminate) substrate," Analytical Biochemistry, 94:287-296, (1979).		
	СО	Reuman, P., et al., "Assessment of signs of influenza illness in the ferret model," Journal of Virological Methods, 24:27-34, (1989).			
	СР	Root et al., "Targeting therapeutics to an exposed and conserved binding element of the HIV-1 fusion protein" Proc. Natl. Acad. Sci. 100(9):5016-5021 (2003).			
	CQ	Schultze, B., et al., "The S protein of bovine coronavirus is a hemagglutinin recognizing 9-O-acetylated sialic acid as a receptor determinant," Journal of Virology, 65:6232-6237, (1991).			
	- Cn	Simon, P., et al., "Inhibition of Helico			
	CR	sialic acid-containing oligosaccharide	s," Infection and Immunity, 65:	750-757, (1997).	
	CS	Smith, H. and Sweet, C., "Lessons for		nicity studies with ferrets,"	
		Reviews of Infectious Diseases, 10:56 Solzbacher, D., et al., "Mucin in midd	5-/5, (1988).		
	СТ	to mucosal epithelial cells," European	Archives of Oto-Rhino-Laryng	gology, 260:141-147, (2003).	
	CU	Soriano, F. and V. Rodriguez-Cerrato, "Pharmacodynamic and kinetic basis for the selection of pneumococcal resistance in the upper respiratory tract," Journal of Antimicrobial Chemotherapy, 50 Suppl S2:51-58, (2002).			
	CV	Stenton, G., et al., "Proteinase-activated receptor (PAR)-1 and -2 agonists induce mediator release from mast cells by pathways distinct from PAR-1 and PAR-2," Journal of Pharmacology and Experimental Therapeutics, 302, 466-474, (2002).			
	CW	Sutter, V., "Anaerobes as normal oral (1984).		viseases, 6 Suppl 1, S62-S66,	
	СХ	Tashiro, M., "Synergistic role of stapl pathogenecity," Virology, 157:421-43		ction of influenza virus	
	CY	Teufel, M., et al., "Properties of sialid Biological Chemistry Hoppe Seyler, 3	lase isolated from Actinomyces	viscosus DSM43798,"	
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(37 0) 10 31.30	Other D	ocuments (include Author,	Title, Date, and Place	of Publication)
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	CZ	Thomas, R. and T. Brooks, "Oligosac attachment to human respiratory epith	nelial cells," Microbial Pathog	enesis, 36:83-92, (2004).
	DA	van Alphen, L., et al., "Blocking of fimbria-mediated adherence of Haemophilus influenzae by sialyl gangliosides," Infection and Immunity, 59:4473-4477, (1991).		
	DB	Varshavsky, A., "The N-end rule: functions, mysteries, uses," Proceedings of the National Academy of Sciences of the United States of America, 93:12142-12149, (1996).		
	DC	Wagner, J., "Efficient and persistent gene transfer of AAV-CFTR in maxillary sinus," Lancet, 351:1702-1703, (1998).		
	DD	Wang, A., et al., "Comparison of adenoviral and adeno-associated viral vectors for pancreatic gene delivery in vivo," Human Gene Therapy, 15:405-413, (2004).		
	DE	Wang, G., et al., "Influence of cell polarity on retrovirus-mediated gene transfer to differentiated human airway epithelia," Journal of Virology, 72:9818-9826, (1998). Weisgraber, K.H., et al., "Human apoliproprotein E. Determination of the heparin binding sites of apolipoprotein E3," Journal of Biological Chemistry, 261(5):2068-2076, (1986). Wuppermann, F., et al., "Heparan sulfate-like glycosaminoglycan is a cellular receptor for Chlamydia pneumoniae," Journal of Infectious Diseases, 184:181-187, (2001). Zhirnov, O.P. "Proteolytic activation of myxoviruses and a new strategy in the treatment of viral		
	DF			
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· · · · · · · · · · · · · · · · · · ·	DI	Zopf, D. and S. Roth "Oligosaccharic	le anti-infective agents," Lanc	et, 347:1017-1021, (1996).

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